Fig. 1A

A

```
   1  tgacttggatgtagacctcgaccttcacaggactcttcattgctggttggcaatg ATG TAT CGG CCA GAT GTG   73
   1                                                          M   Y   R   P   D   V     6

  74  GTG AGG GCT AGG AAA AGA GTT TGT TGG GAA CCC TGG GTT ATC GGC CTC GTC ATC TTC ATA   133
   7  V   R   A   R   K   R   V   C   W   E   P   W   V   I   G   L   V   I   F   I    26

 134  TCC CTG ATT GTC CTG GCA GTG TGC ATT GGA CTC ACT GTT CAT TAT GTG AGA TAT AAT CAA   193
  27  S   L   I   V   L   A   V   C   I   G   L   T   V   H   Y   V   R   Y   N   Q    46

 194  AAG AAG ACC TAC AAT TAC TAT AGC ACA TTG TCA TTT ACA ACT GAC AAA CTA TAT GCT GAG   253
  47  K   K   T   Y   N   Y   Y   S   T   L   S   F   T   T   D   K   L   Y   A   E    66

 254  TTT GGC AGA GAG GCT TCT AAC AAT TTT ACA GAA ATG AGC CAG AGA CTT GAA TCA ATG GTG   313
  67  F   G   R   E   A   S   N   N   F   T   E   M   S   Q   R   L   E   S   M   V    86

 314  AAA AAT GCA TTT TAT AAA TCT CCA TTA AGG GAA GAA TTT GTC AAG TCT CAG GTT ATC AAG   373
  87  K   N   A   F   Y   K   S   P   L   R   E   E   F   V   K   S   Q   V   I   K   106

 374  TTC AGT CAA CAG AAG CAT GGA GTG TTG GCT CAT ATG CTG TTG ATT TGT AGA TTT CAC TCT   433
 107  F   S   Q   Q   K   H   G   V   L   A   H   M   L   L   I   C   R   F   H   S   126

 434  ACT GAG GAT CCT GAA ACT GTA GAT AAA ATT GTT CAA CTT GTT TTA CAT GAA AAG CTG CAA   493
 127  T   E   D   P   E   T   V   D   K   I   V   Q   L   V   L   H   E   K   L   Q   146

 494  GAT GCT GTA GGA CCC CCT AAA GTA GAT CCT CAC TCA GTT AAA ATT AAA AAA ATC AAC AAG   553
 147  D   A   V   G   P   P   K   V   D   P   H   S   V   K   I   K   K   I   N   K   166

 554  ACA GAA ACA GAC AGC TAT CTA AAC CAT TGC TGC GGA ACA CGA AGA AGT AAA ACT CTA GGT   613
 167  T   E   T   D   S   Y   L   N   H   C   C   G   T   R   R   S   K   T   L   G   186

 614  CAG AGT CTC AGG ATC GTT GGT GGG ACA GAA GTA GAA GAG GGT GAA TGG CCC TGG CAG GCT   673
 187  Q   S   L   R   I   V   G   G   T   E   V   E   E   G   E   W   P   W   Q   A   206

 674  AGC CTG CAG TGG GAT GGG AGT CAT CGC TGT GGA GCA ACC TTA ATT AAT GCC ACA TGG CTT   733
 207  S   L   Q   W   D   G   S   H   R   C   G   A   T   L   I   N   A   T   W   L   226

 734  GTG AGT GCT GCT CAC TGT TTT ACA ACA TAT AAG AAC CCT GCC AGA TGG ACT GCT TCC TTT   793
 227  V   S   A   A   H   C   F   T   T   Y   K   N   P   A   R   W   T   A   S   F   246

 794  GGA GTA ACA ATA AAA CCT TCG AAA ATG AAA CGG GGT CTC CGG AGA ATA ATT GTC CAT GAA   853
 247  G   V   T   I   K   P   S   K   M   K   R   G   L   R   R   I   I   V   H   E   266

 854  AAA TAC AAA CAC CCA TCA CAT GAC TAT GAT ATT TCT CTT GCA GAG CTT TCT AGC CCT GTT   913
 267  K   Y   K   H   P   S   H   D   Y   D   I   S   L   A   E   L   S   S   P   V   286

 914  CCC TAC ACA AAT GCA GTA CAT AGA GTT TGT CTC CCT GAT GCA TCC TAT GAG TTT CAA CCA   973
 287  P   Y   T   N   A   V   H   R   V   C   L   P   D   A   S   Y   E   F   Q   P   306

 974  GGT GAT GTG ATG TTT GTG ACA GGA TTT GGA GCA CTG AAA AAT GAT GGT TAC AGT CAA AAT  1033
 307  G   D   V   M   F   V   T   G   F   G   A   L   K   N   D   G   Y   S   Q   N   326

1034  CAT CTT CGA CAA GCA CAG GTG ACT CTC ATA GAC GCT ACA ACT TGC AAT GAA CCT CAA GCT  1093
 327  H   L   R   Q   A   Q   V   T   L   I   D   A   T   T   C   N   E   P   Q   A   346

1094  TAC AAT GAC GCC ATA ACT CCT AGA ATG TTA TGT GCT GGC TCC TTA GAA GGA AAA ACA GAT  1153
 347  Y   N   D   A   I   T   P   R   M   L   C   A   G   S   L   E   G   K   T   D   366

1154  GCA TGC CAG GGT GAC TCT GGA GGA CCA CTG GTT AGT TCA GAT GCT AGA GAT ATC TGG TAC  1213
 367  A   C   Q   G   D   S   G   G   P   L   V   S   S   D   A   R   D   I   W   Y   386

1214  CTT GCT GGA ATA GTG AGC TGG GGA GAT GAA TGT GCG AAA CCC AAC AAG CCT GGT GTT TAT  1273
 387  L   A   G   I   V   S   W   G   D   E   C   A   K   P   N   K   P   G   V   Y   406

1274  ACT AGA GTT ACG GCC TTG CGG GAC TGG ATT ACT TCA AAA ACT GGT ATC TAA gagagaaaagcc 1336
 407  T   R   V   T   A   L   R   D   W   I   T   S   K   T   G   I   *                423

1337  tcatggaacagataacatttttttttgttttttgggtgtggaggccatttttagagatacagaattggagaagacttgca 1416

1417  aaacagctagatttgactgatctcaataaactgtttgcttgatgcaaaaaaaaaa                          1471
```

A

Fig. 1B

```
   1  tgacttggatgtagacctcgaccttcacaggactcttcattgctggttggcaatg ATG TAT CGG CCA GAT GTG  73
   1                                                          M   Y   R   P   D   V   6

  74  GTG AGG GCT AGG AAA AGA GTT TGT TGG GAA CCC TGG GTT ATC GGC CTC GTC ATG TTC ATA  133
   7  V   R   A   R   K   R   V   C   W   E   P   W   V   I   G   L   V   M   F   I   26

 134  TCC CTG ATT GTC CTG GCA GTG TGC ATT GGA GTC ACT GTT CAT TAT GTG AGA TAT AAT CAA  193
  27  S   L   I   V   L   A   V   C   I   G   V   T   V   H   Y   V   R   Y   N   Q   46

 194  AAG AAG ACC TAC AAT TAC TAT AGC ACA TTG TCA TTT ACA ACT GAC AAA CTA TAT GCT GAG  253
  47  K   K   T   Y   N   Y   Y   S   T   L   S   F   T   T   D   K   L   Y   A   E   66

 254  TTT GGC AGA GAG GCT TCT AAC AAT TTT ACA GAA ATG AGC CAG AGA CTT GAA TCA ATG GTG  313
  67  F   G   R   E   A   S   N   N   F   T   E   M   S   Q   R   L   E   S   M   V   86

 314  AAA AAT GCA TTT TAT AAA TCT CCA TTA AGG GAA GAA TTT GTC AAG TCT CAG GTT ATC AAG  373
  87  K   N   A   F   Y   K   S   P   L   R   E   E   F   V   K   S   Q   V   I   K  106

 374  TTC AGT CAA CAG AAG CAT GGA GTG TTG GCT CAT ATG CTG TTG ATT TGT AGA TTT CAC TCT  433
 107  F   S   Q   Q   K   H   G   V   L   A   H   M   L   L   I   C   R   F   H   S  126

 434  ACT GAG GAT CCT GAA ACT GTA GAT AAA ATT GTT CAA CTT GTT TTA CAT GAA AAG CTG CAA  493
 127  T   E   D   P   E   T   V   D   K   I   V   Q   L   V   L   H   E   K   L   Q  146

 494  GAT GCT GTA GGA CCC CCT AAA GTA GAT CCT CAC TCA GTT AAA ATT AAA AAA ATC AAC AAG  553
 147  D   A   V   G   P   P   K   V   D   P   H   S   V   K   I   K   K   I   N   K  166

 554  ACA GAA ACA GAC AGC TAT CTA AAC CAT TGC TGC GGA ACA CGA AGA AGT AAA ACT CTA GGT  613
 167  T   E   T   D   S   Y   L   N   H   C   C   G   T   R   R   S   K   T   L   G  186

 614  CAG AGT CTC AGG ATC GTT GGT GGG ACA GAA GTA GAA GAG GGT GAA TGG CCC TGG CAG GCT  673
 187  Q   S   L   R   I   V   G   G   T   E   V   E   E   G   E   W   P   W   Q   A  206

 674  AGC CTG CAG TGG GAT GGG AGT CAT CGC TGT GGA GCA ACC TTA ATT AAT GCC ACA TGG CTT  733
 207  S   L   Q   W   D   G   S   H   R   C   G   A   T   L   I   N   A   T   W   L  226

 734  GTG AGT GCT GCT CAC TGT TTT ACA ACA TAT AAG AAC CCT GCC AGA TGG ACT GCT TCC TTT  793
 227  V   S   A   A   H   C   F   T   T   Y   K   N   P   A   R   W   T   A   S   F  246

 794  GGA GTA ACA ATA AAA CCT TCG AAA ATG AAA CGG GGT CTC CGG AGA ATA ATT GTC CAT GAA  853
 247  G   V   T   I   K   P   S   K   M   K   R   G   L   R   R   I   I   V   H   E  266

 854  AAA TAC AAA CAC CCA TCA CAT GAC TAT GAT ATT TCT CTT GCA GAG CTT TCT AGC CCT GTT  913
 267  K   Y   K   H   P   S   H   D   Y   D   I   S   L   A   E   L   S   S   P   V  286

 914  CCC TAC ACA AAT GCA GTA CAT AGA GTT TGT CTC CCT GAT GCA TCC TAT GAG TTT CAA CCA  973
 287  P   Y   T   N   A   V   H   R   V   C   L   P   D   A   S   Y   E   F   Q   P  306

 974  GGT GAT GTG ATG TTT GTG ACA GGA TTT GGA GCA CTG AAA AAT GAT GGT TAC AGT CAA AAT 1033
 307  G   D   V   M   F   V   T   G   F   G   A   L   K   N   D   G   Y   S   Q   N  326

1034  CAT CTT CGA CAA GCA CAG GTG ACT CTC ATA GAC GCT ACA ACT TGC AAT GAA CCT CAA GCT 1093
 327  H   L   R   Q   A   Q   V   T   L   I   D   A   T   T   C   N   E   P   Q   A  346

1094  TAC AAT GAC GCC ATA ACT CCT AGA ATG TTA TGT GCT GGC TCC TTA GAA GGA AAA ACA GAT 1153
 347  Y   N   D   A   I   T   P   R   M   L   C   A   G   S   L   E   G   K   T   D  366

1154  GCA TGC CAG GGT GAC TCT GGA GGA CCA CTG GTT AGT TCA GAT GCT AGA GAT ATC TGG TAC 1213
 367  A   C   Q   G   D   S   G   G   P   L   V   S   S   D   A   R   D   I   W   Y  386

1214  CTT GCT GGA ATA GTG AGC TCG GGA GAT GAA TGT GCG AAA CCC AAC AAG CCT GGT GTT TAT 1273
 387  L   A   G   I   V   S   S   G   D   E   C   A   K   P   N   K   P   G   V   Y  406

1274  ACT AGA GTT ACG GCC TTG CGG GAC TGG ATT ACT TCA AAA ACT GGT ATC TAA gagagaaaagcc 1336
 407  T   R   V   T   A   L   R   D   W   I   T   S   K   T   G   I   *                423

1337  tcatggaacagataacatttttttttgttttttgggtgtggaggccatttttagagatacagaattggagaagacttgca 1416

1417  aaacagctagatttgactgatctcaataaactgtttgcttgatgcaaaaaaaaaa                          1471
```

Fig. 1B (con't)

A

```
1    tgacttggatgtagacctcgaccttcacaggactcttcattgctggttggcaatg ATG TAT CGG CCA GAT GTG  73
1                                                              M   Y   R   P   D   V   6

74   GTG AGG GCT AGG AAA AGA GTT TGT TGG GAA CCC TGG GTT ATC GGC CTC GTC ATG TTC ATA  133
7    V   R   A   R   K   R   V   C   W   E   P   W   V   I   G   L   V   M   F   I   26

134  TCC CTG ATT GTC CTG GCA GTG TGC ATT GGA GTC ACT GTT CAT TAT GTG AGA TAT AAT CAA  193
27   S   L   I   V   L   A   V   C   I   G   V   T   V   H   Y   V   R   Y   N   Q   46

194  AAG AAG ACC TAC AAT TAC TAT AGC ACA TTG TCA TTT ACA ACT GAC AAA CTA TAT GCT GAG  253
47   K   K   T   Y   N   Y   Y   S   T   L   S   F   T   T   D   K   L   Y   A   E   66

254  TTT GGC AGA GAG GCT TCT AAC AAT TTT ACA GAA ATG AGC CAG AGA CTT GAA TCA ATG GTG  313
67   F   G   R   E   A   S   N   N   F   T   E   M   S   Q   R   L   E   S   M   V   86

314  AAA AAT GCA TTT TAT AAA TCT CCA TTA AGG GAA GAA TTT GTC AAG TCT CAG GTT ATC AAG  373
87   K   N   A   F   Y   K   S   P   L   R   E   E   F   V   K   S   Q   V   I   K   106

374  TTC AGT CAA CAG AAG CAT GGA GTG TTG GCT CAT ATG CTG TTG ATT TGT AGA TTT CAC TCT  433
107  F   S   Q   Q   K   H   G   V   L   A   H   M   L   L   I   C   R   F   H   S   126

434  ACT GAG GAT CCT GAA ACT GTA GAT AAA ATT GTT CAA CTT GTT TTA CAT GAA AAG CTG CAA  493
127  T   E   D   P   E   T   V   D   K   I   V   Q   L   V   L   H   E   K   L   Q   146

494  GAT GCT GTA GGA CCC CCT AAA GTA GAT CCT CAC TCA GTT AAA ATT AAA AAA ATC AAC AAG  553
147  D   A   V   G   P   P   K   V   D   P   H   S   V   K   I   K   K   I   N   K   166

554  ACA GAA ACA GAC AGC TAT CTA AAC CAT TGC TGC GGA ACA CGA AGA AGT AAA ACT CTA GGT  613
167  T   E   T   D   S   Y   L   N   H   C   C   G   T   R   R   S   K   T   L   G   186

614  CAG AGT CTC AGG ATC GTT GGT GGG ACA GAA GTA GAA GAG GGT GAA TGG CCC TGG CAG GCT  673
187  Q   S   L   R   I   V   G   G   T   E   V   E   E   G   E   W   P   W   Q   A   206

674  AGC CTG CAG TGG GAT GGG AGT CAT CGC TGT GGA GCA ACC TTA ATT AAT GCC ACA TGG CTT  733
207  S   L   Q   W   D   G   S   H   R   C   G   A   T   L   I   N   A   T   W   L   226

734  GTG AGT GCT GCT CAC TGT TTT ACA ACA TAT AAG AAC CCT GCC AGA TGG ACT GCT TCC TTT  793
227  V   S   A   A   H   C   F   T   T   Y   K   N   P   A   R   W   T   A   S   F   246

794  GGA GTA ACA ATA AAA CCT TCG AAA ATG AAA CGG GGT CTC CGG AGA ATA ATT GTC CAT GAA  853
247  G   V   T   I   K   P   S   K   M   K   R   G   L   R   R   I   I   V   H   E   266

854  AAA TAC AAA CAC CCA TCA CAT GAC TAT GAT ATT TCT CTT GCA GAG CTT TCT AGC CCT GTT  913
267  K   Y   K   H   P   S   H   D   Y   D   I   S   L   A   E   L   S   S   P   V   286

914  CCC TAC ACA AAT GCA GTA CAT AGA GTT TGT CTC CCT GAT GCA TCC TAT GAG TTT CAA CCA  973
287  P   Y   T   N   A   V   H   R   V   C   L   P   D   A   S   Y   E   F   Q   P   306

974  GGT GAT GTG ATG TTT GTG ACA GGA TTT GGA GCA CTG AAA AAT GAT GGT TAC AGT CAA AAT  1033
307  G   D   V   M   F   V   T   G   F   G   A   L   K   N   D   G   Y   S   Q   N   326

1034 CAT CTT CGA CAA GCA CAG GTG ACT CTC ATA GAC GCT ACA ACT TGC AAT GAA CCT CAA GCT  1093
327  H   L   R   Q   A   Q   V   T   L   I   D   A   T   T   C   N   E   P   Q   A   346

1094 TAC AAT GAC GCC ATA ACT CCT AGA ATG TTA TGT GCT GGC TCC TTA GAA GGA AAA ACA GAT  1153
347  Y   N   D   A   I   T   P   R   M   L   C   A   G   S   L   E   G   K   T   D   366

1154 GCA TGC CAG GGT GAC TCT GGA GGA CCA CTG GTT AGT TCA GAT GCT AGA GAT ATC TGG TAC  1213
367  A   C   Q   G   D   S   G   G   P   L   V   S   S   D   A   R   D   I   W   Y   386

1214 CTT GCT GGA ATA GTG AGC TCG GGA GAT GAA TGT GCG AAA CCC AAC AAG CCT GGT GTT TAT  1273
387  L   A   G   I   V   S   S   G   D   E   C   A   K   P   N   K   P   G   V   Y   406

1274 ACT AGA GTT ACG GCC TTG CGG GAC TGG ATT ACT TCA AAA ACT GGT ATC TAA gagagaaaagcc 1336
407  T   R   V   T   A   L   R   D   W   I   T   S   K   T   G   I   *                423

1337 tcatggaacagataacatttttttttgtttttgggtgtggaggccatttttagagatacagaattggagaagacttgca 1416

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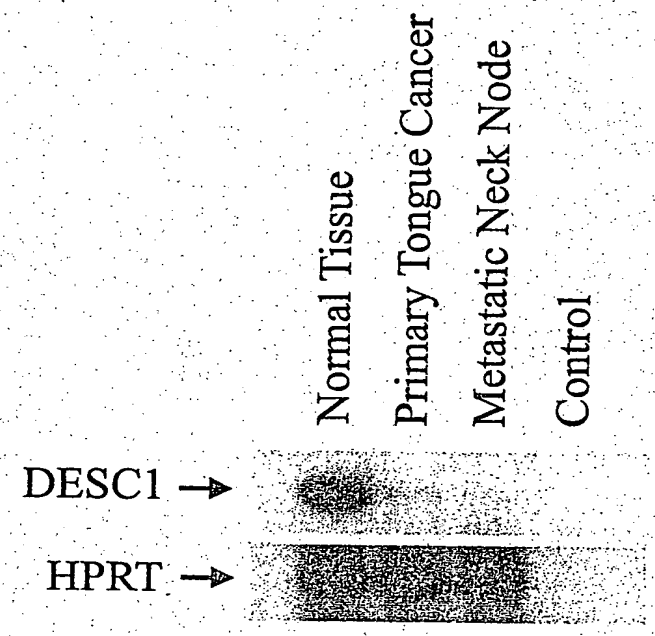
Fig. 2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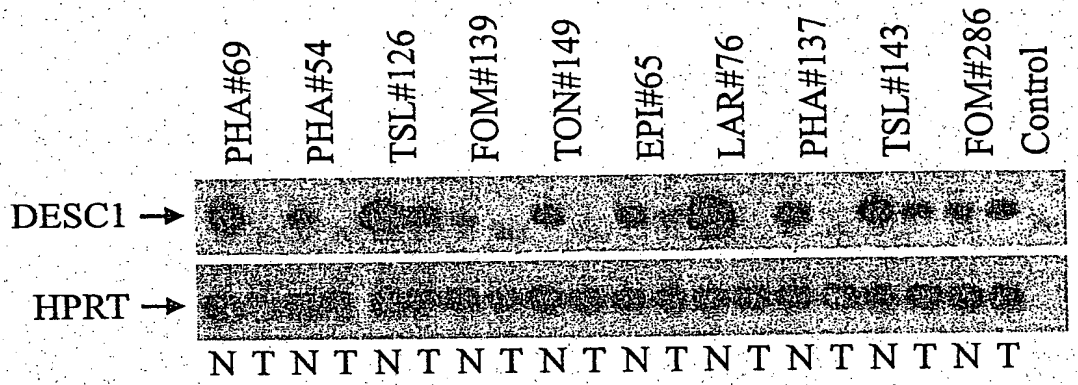
Primary Tongue Cancer
Metastatic Neck Node
Control
DESC1
HPRT

Fig. 3A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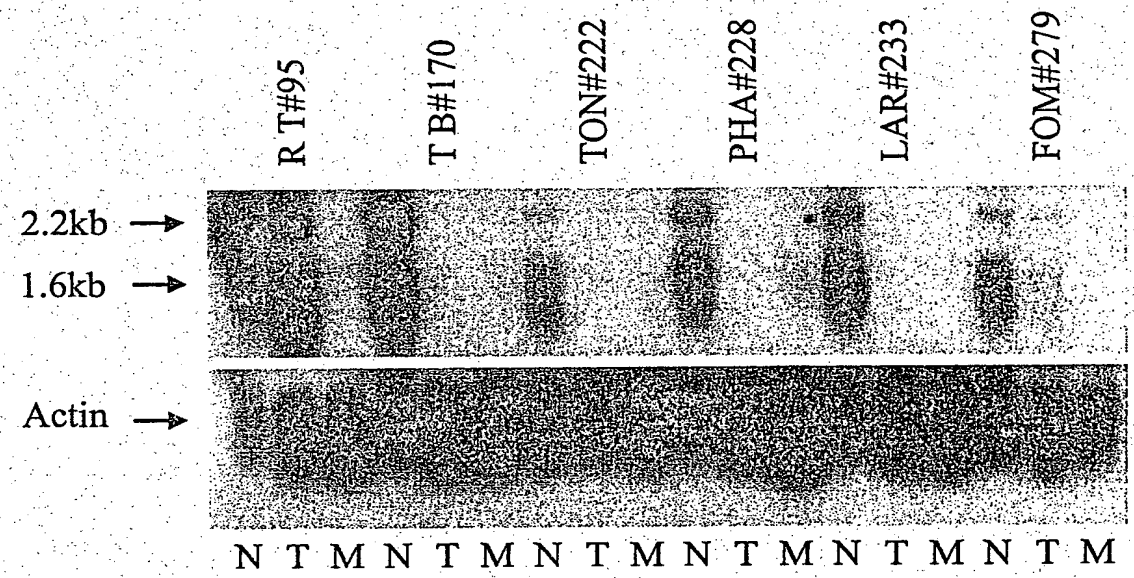
Control
DESC1
HPRT
N T N T N T N T N T N T N T N T N T N T

Fig. 3B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1.6kb
Actin
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Fig. 4

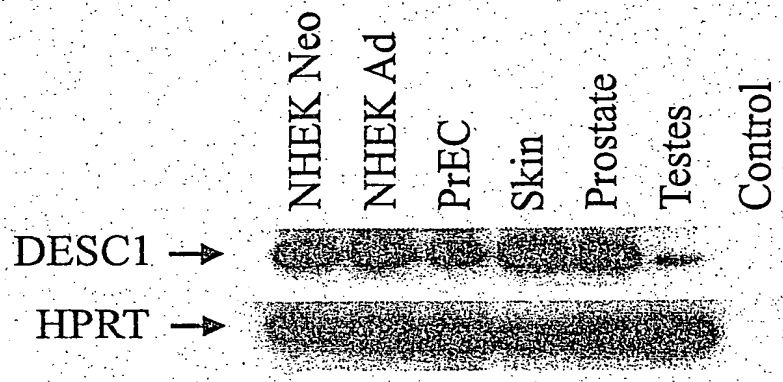
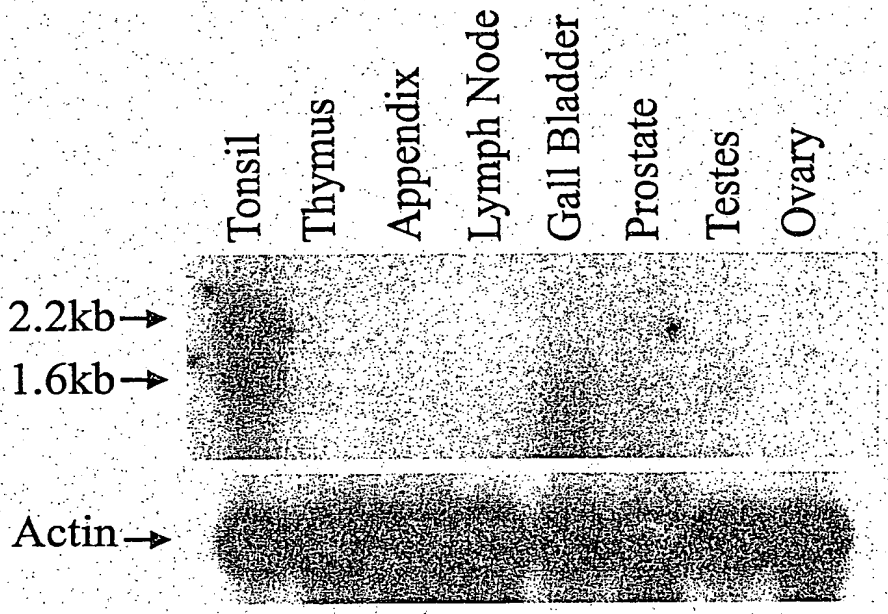


Fig. 5A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Prostate
Testes
Ovary
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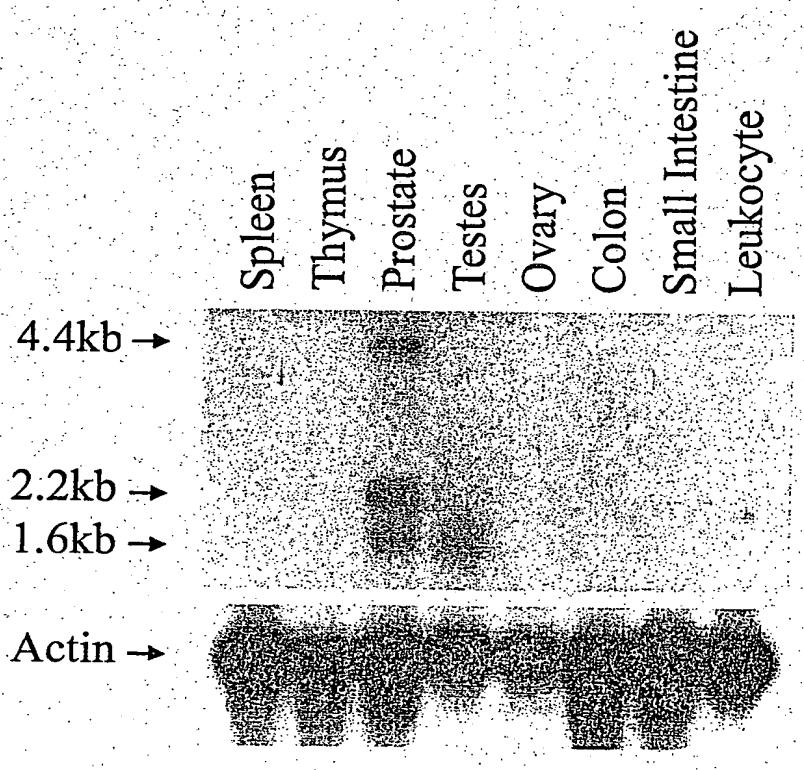
1.6kb
Actin

Fig. 5B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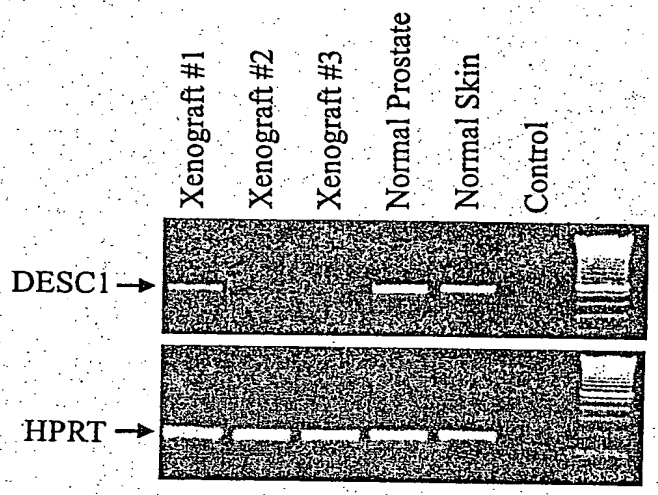
Actin

Fig. 6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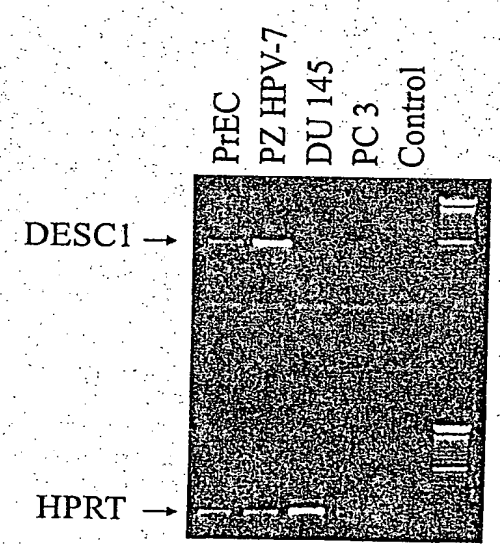
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Fig. 7

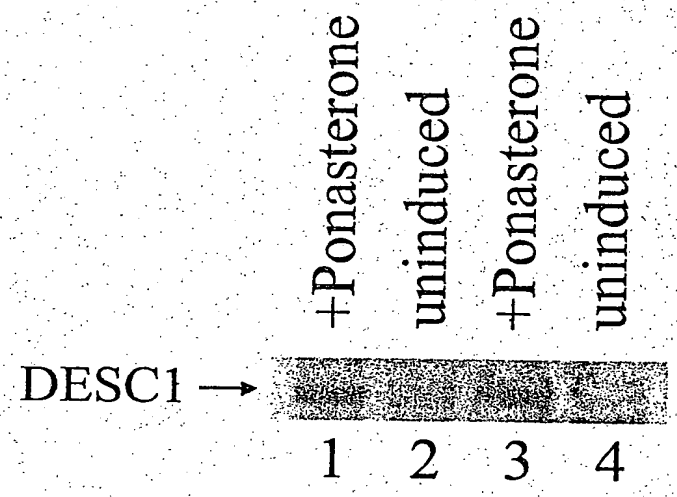
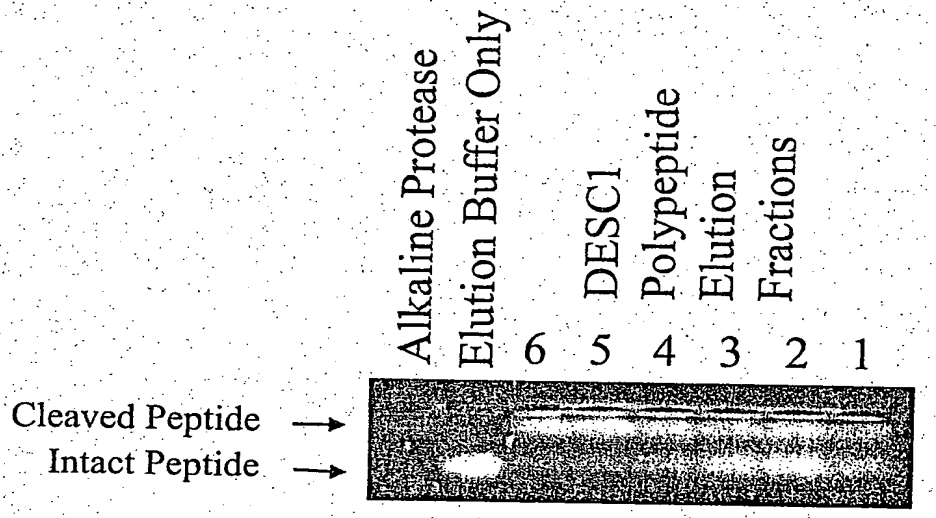


Fig. 8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5
4
3
2
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Fractions
Cleaved Peptide
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